

Application No. 10/668,372
Group Art Unit: 2841

Amendment under 37 C.F.R. §1.111
Attorney Docket No.: 031193

AMENDMENTS TO THE DRAWINGS

Please amend Figs. 1 and 2, in accordance with the attached replacement sheets, to add the label "Prior Art."

REMARKS

Reconsideration of this application, as presently amended, is respectfully requested. Claims 1-10 are pending in this application, new claims 9 and 10 having been added by the present Amendment. Claims 1-8 stand rejected. The rejections set forth in the Office Action are respectfully traversed below.

Objections to the Drawings

Figures 1 and 2 were objected to by the Examiner because they are not designated by a legend such as "Prior Art". Figs. 1 and 2 have been amended to label these figures "Prior Art".

Withdrawal of the objection to the Drawings is respectfully solicited.

Claim Rejections – 35 U.S.C. §102

Claims 1-2 and 5-6 were rejected under 35 U.S.C. §102(e) as being anticipated by **Kudoh et al.** (USP 6,373,714). For the reasons set forth in detail below, this rejection, to the extent it is considered to apply to the amended claims, is respectfully traversed.

Claim 1 has been amended to eliminate the recitation of the noise reduction elements connected between a ground terminal of the first substrate and a ground terminal of the second substrate. Claim 5 has been amended similarly. Further, new claims 9 and 10 have been added to recite the feature deleted from claims 1 and 5. As will be set forth in detail below, **Kudoh et al.** do not disclose or suggest a noise reduction element connected between a power source terminal of a first substrate and a power source terminal of a second substrate.

Kudoh et al. discloses a device wherein electronic parts are mounted on both sides of a printed circuit board to allow downsizing of the printed board. More specifically, as shown in Figs. 2A and 2B, electronic parts 2 are mounted on a surface of a printed board 1 and electronic parts 3 are also mounted on the rear side of the printed board 1. The electronic parts 3 mounted on the rear side of the printed circuit board 1 are fixed by electrically connecting terminal electrodes 3a, 3b provided on both ends of the electronic parts 3 with pads 6, 7 of the printed board 1 using solder 9. The terminal electrodes 3a on one end of the electronic parts 3 are then connected electrically with pads 11 formed on a mother board 10 so as to be fixed. See column 4, lines 9-17.

By using the terminal electrode 3a of the electronic part 3 mounted on the rear side of the printed board 1 as a terminal to be connected to the outside, a space for a connecting member, such as a lead terminal, to connect the electronic part 3 to the mother board 10 is not required and downsizing of the printed board is enabled. See column 4, lines 29-37.

The Office Action considers the printed circuit board 1 and the mother board 10 of **Kudoh et al.** to correspond to the claimed first substrate and second substrate, respectively. The Office Action further asserts that the electronic parts 3 correspond to the claimed “noise reduction elements,” citing column 3, line 64 and column 4, lines 18-25 of **Kudoh et al.** The cited sections of **Kudoh et al.** (i.e., col. 3, line 64 and col. 4, lines 18-25) disclose that the electronic parts 3 mounted on the rear side of the printed board 1 can be a capacitor.

However, **Kudoh et al.** states in col. 4, lines 18-25:

Electronic parts relatively unsuceptible to suffer the influence of a noise, such as a capacitor to be connected with an input terminal, an output terminal, and a power source terminal of a voltage controlled oscillator, ***and a capacitor having each one end connected with a ground as well as to be connected with*** an input or output pad, a power source supply pad or ***a ground pad on the mother board 10***, are selected as these electronic parts 3. [emphasis added]

The portion of **Kudoh et al.** quoted above indicates that *the capacitor is connected between a ground on the printed board and a ground pad on the mother board*. However, **Kudoh et al.** do not disclose or suggest *noise reduction elements each being connected between a power source terminal of the second surface of the first substrate and a power source terminal of the surface of the second substrate*, as recited in claims 1 and 5.

It is well established that anticipation under §102 is established only if all the elements of an invention, as stated in the claim, are identically set forth in a single prior art reference. Because **Kudoh et al.** does not disclose or suggest all the features recited in amended claims 1 and 5, the rejection under §102 is overcome and should be withdrawn. Moreover, claims 2 and 6 distinguish over Kudoh et al. by virtue of their dependency on claims 1 and 5, respectively.

Claim Rejections – 35 U.S.C. §103

Claims 3-4 and 7-8 are rejected under 35 U.S.C. §103(a) as being unpatentable over **Kudoh et al.** ('714) in view of **McKee et al.** (USP 6,418,029). For the reasons set forth below, this rejection is respectfully traversed.

The **McKee et al.** reference was cited to teach the feature of “a signal terminal of the second surface of the first substrate is connected with a signal terminal of the surface of the second substrate in accordance with a ball grid array system,” as recited in claims 3-4 and 7-8.

However, **McKee et al.** do not alleviate the above-noted deficiencies of **Kudoh et al.** Therefore, each of claims 3-4 and 7-8 patentably distinguish over the combination of references for the same reasons set forth above with respect to claims 1 and 5 by virtue of their dependency therefrom.

Accordingly, withdrawal of the rejection of claims 3-4 and 7-8 is respectfully requested.

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CONCLUSION

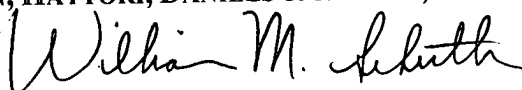
In view of the foregoing amendments and accompanying remarks, it is submitted that all pending claims are in condition for allowance. A prompt and favorable reconsideration of the rejection and an indication of allowability of all pending claims are earnestly solicited.

If the Examiner believes that there are issues remaining to be resolved in this application, the Examiner is invited to contact the undersigned attorney at the telephone number indicated below to arrange for an interview to expedite and complete prosecution of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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